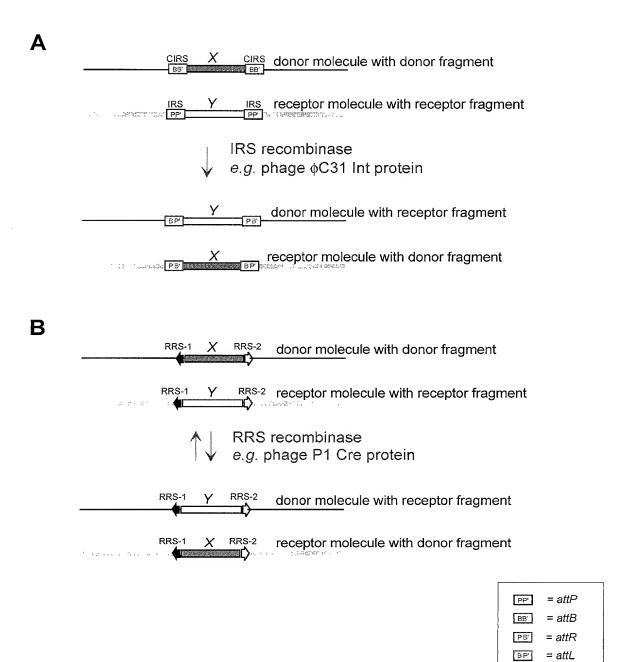
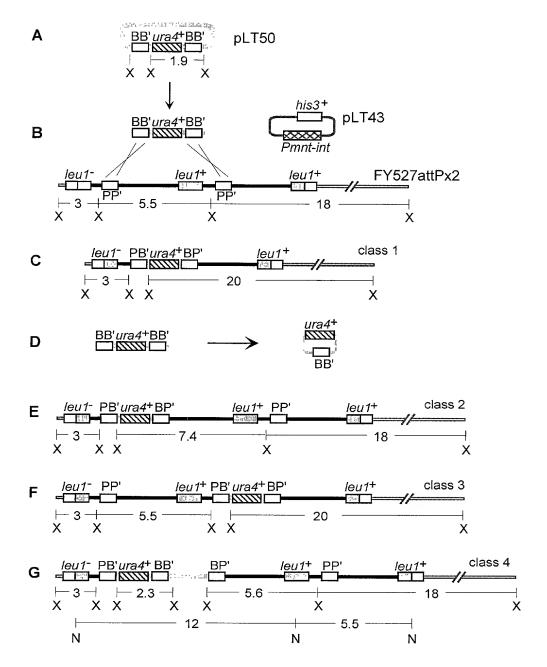
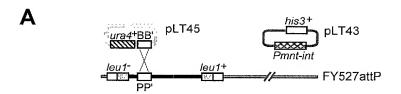
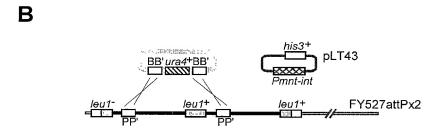
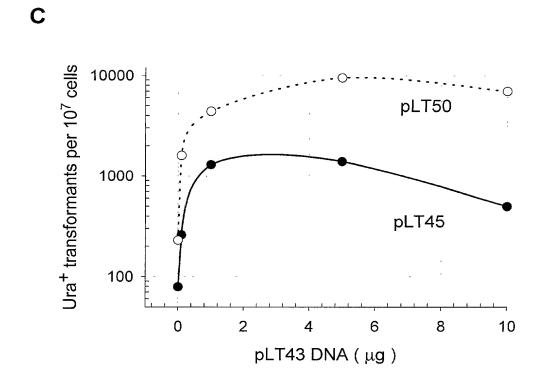
= loxP = lox511



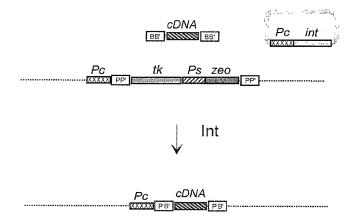








cDNA integration in mammalian cells transient expression of *int*



Pc = human cytomegalovirus promoter
Ps = SV40 early promoter
zeo = zeocin resistance coding region
tk = thymidine kinase coding region
int = integrase coding region

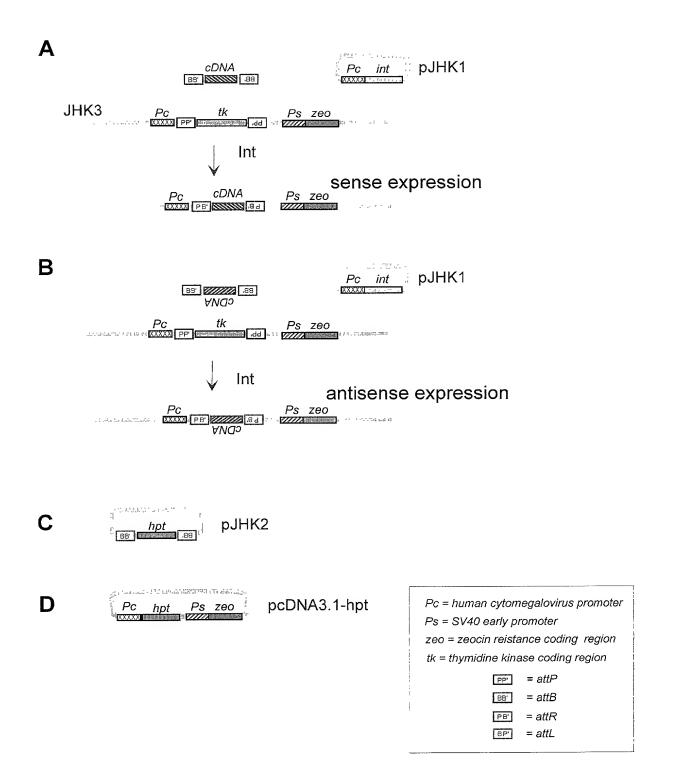
PP = attP

BB = attB

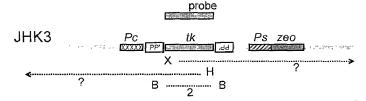
PB = attR

BP = attL

Strategy for cDNA integration in mammalian cells



E Single copy target construct in human cells



Pc = human cytomegalovirus promoter
Ps = SV40 early promoter
zeo = zeocin reistance coding region
tk = thymidine kınase coding region

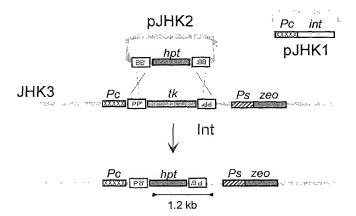
PP = attP

BB' = attB

PB' = attR

BP' = attL

F PCR detection of DNA exchange



cDNA integration in plant cells *int* expressed from target site

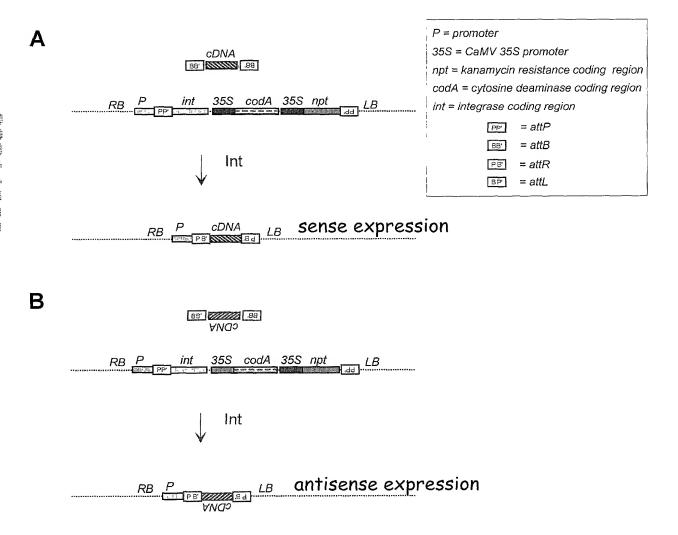
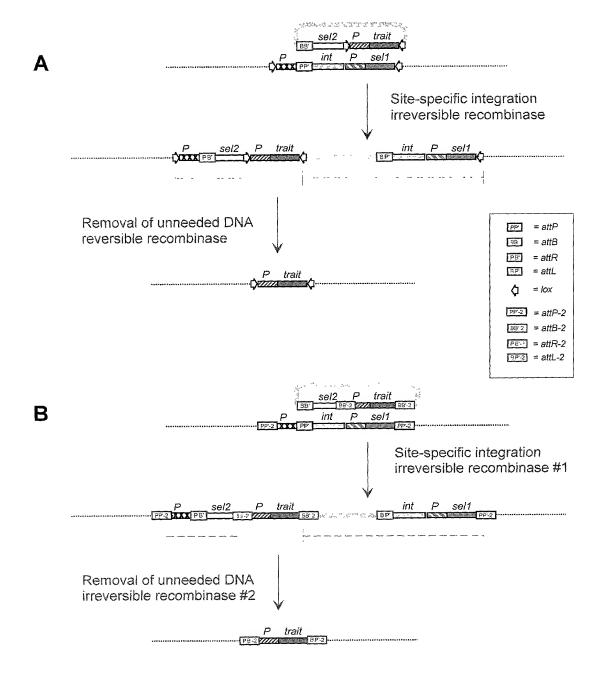
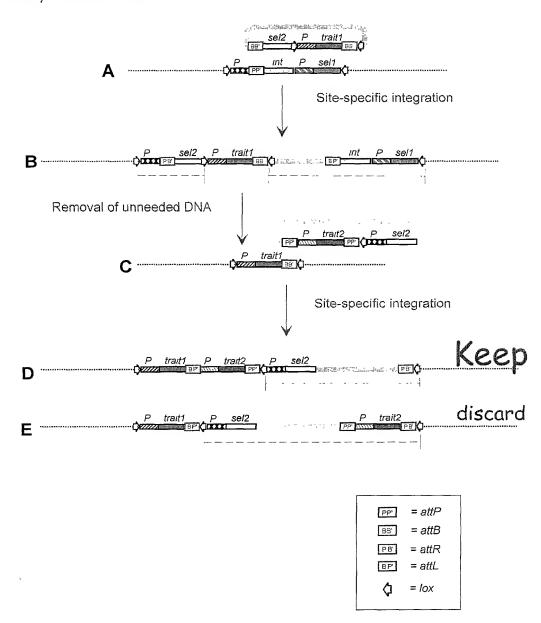


Figure 7

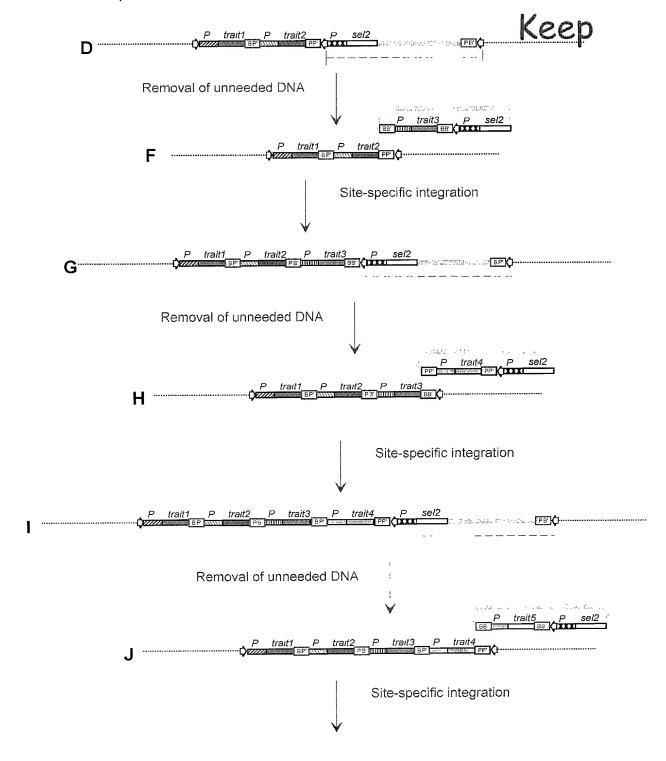
General strategy to incorporate only the trait gene



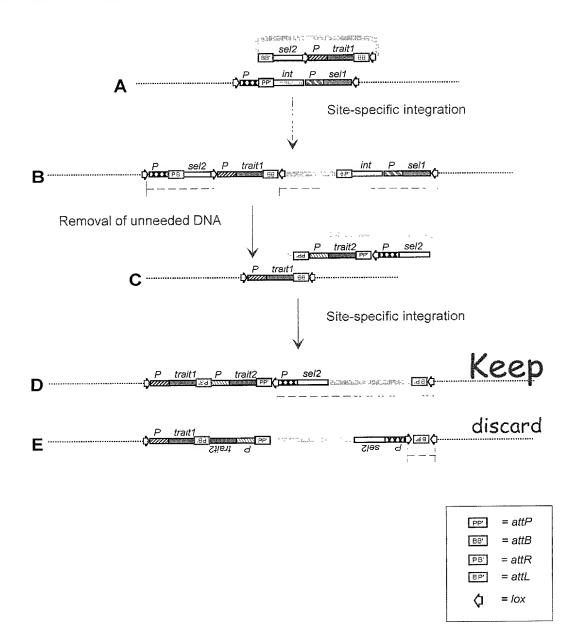
General strategy to stack genes, part1 Use of directly oriented sites



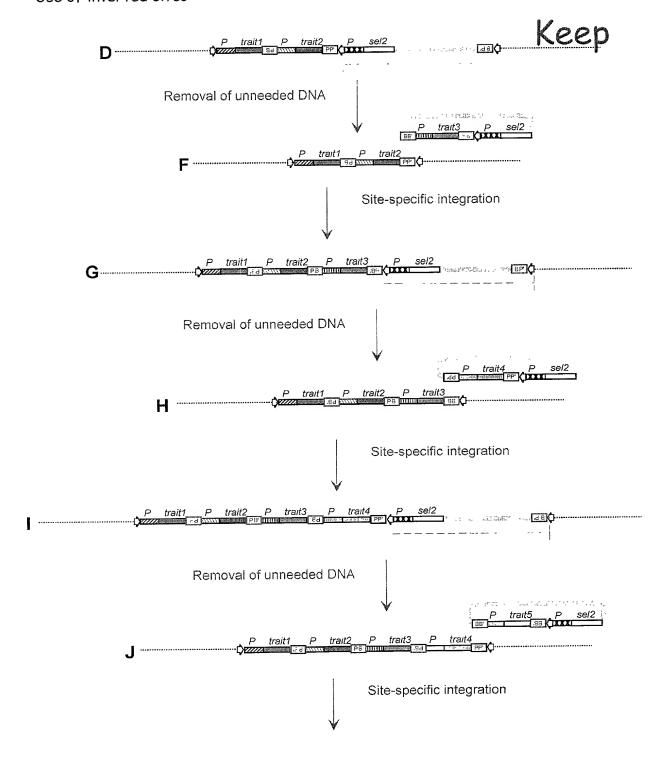
General strategy to stack genes, part2 Use of directly oriented sites



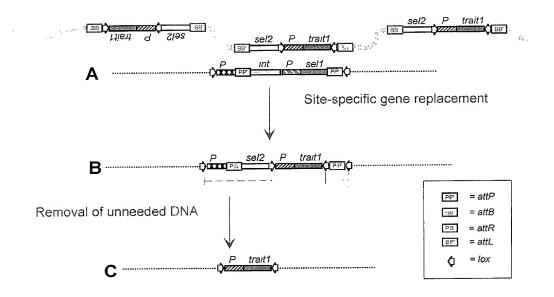
General strategy to stack genes, part1 Use of inverted sites



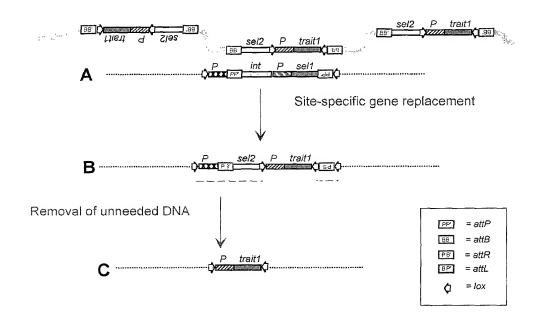
General strategy to stack genes, part2 Use of inverted sites



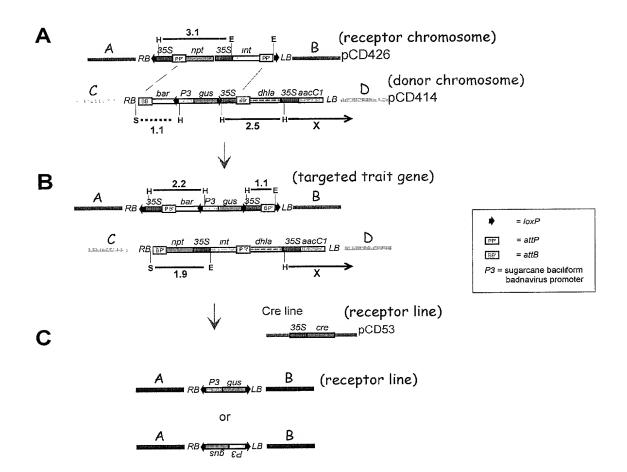
Gene replacement in the host genome with directly oriented dual sites



Gene replacement in the host genome with inverted dual sites



Transgene translocation from one chromosome to another



Transgene translocation using reversible recombination systems

